

# ASTROLab

parc national du Mont-Mégantic

2017 - 2018  
SCHOOL GROUPS





# DAYTIME ASTRONOMY



## ASTROLab Guided Tour

Located right at the foot of the mountain, the ASTROLab is an astronomy activity centre offering an observation area, a high definition multimedia room and two exhibitions rooms, such as the Velan Cosmolab.

A visit to ASTROLab is an adventure through the Universe's greatest enigmas: travelling through time and space, exploring the secrets of light and matter, and experiencing a cosmic vertigo going from microcosms to macrocosms!

In addition to our Cosmic Rhythms movie and various exhibitions, children will observe the sun, make rockets, play with light, explore the solar system and ask all the questions they may have on the cosmos.

The precise nature of the visit is determined by the teacher with a multitude of options, according to the level, targeted skills and interests of the group.

**Duration : 2 h**



## Astronomical Observatory Guided Tour

Mount Megantic Observatory is considered the highest performing observatory on Canadian grounds. It supports training of high level scientists and development of innovative technologies, making it the cradle of Quebec Astrophysics.

In the guided tour, your group will have the opportunity to get in the 1.6 m telescope room and learn about its operation and astronomers work and research projects. The observatory site is located at an altitude of 1,105 m where you will discover the landscape and you will have the opportunity to learn more about this unique mountain.

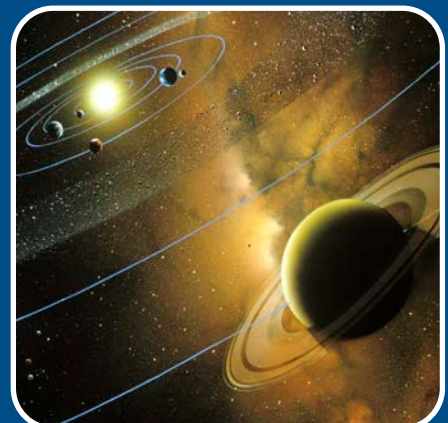
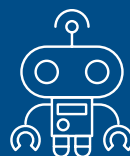
**Accessibility : May to October**

**Duration : 1 h 30 (including transport)**

## La Terre et l'espace : au-delà de l'école

The ASTROLab is much more than a scientific museum. It offers multiple ways to explore the Universe and enhance the development of a scientific culture with stimulating activities offered during the day and evenings that are adapted to the school level of the group.

Our programming is anchored in the reality of knowledge and the essential knowledges required by the scientific program of Quebec's schools.



# ASTRONOMY IN THE EVENING



## ASTROLab Astronomy Evening

Taking place at the base of the mountain, an Astronomy evening at ASTROLab is a two-part activity.

While awaiting for the stars to appear, the evening starts in the comfort of our multimedia room with a special facilitated presentation on celestial motions and light pollution phenomena, all on a giant high definition screen... you will already be dazzled!!

The second part of the evening is happening outdoors, with a stargazing session. In the Velan observatory and other telescopes, it will be possible to contemplate the splendour of the Universe under one of the most beautiful starry skies in Quebec.

If skies are cloudy, the evening continues inside, with lots of images and interactive activities. A short night hike is also available. No matter the weather, rain or shine, you will go home with stars in your eyes!

Bring warm clothes, to better appreciate the show!

**Duration : 2 h 30**

**Capacity : 100 people**



## Popular Observatory Astronomy Evening

At an altitude of over 1000 m, the group will be able to gaze through a 60 cm telescope in Mount Megantic Popular Observatory. This unique multimedia observatory is home to one of the biggest telescope in the world dedicated to popular gazing.

The evening starts with observing the sunset at the top of Mount Megantic, and continues at the Popular Observatory for an astronomy presentation, while twilight gives way to the stars.

If skies are cloudy, multimedia resources of the observatory will present a facilitated interactive session.

Bring very warm clothes, to really appreciate the show!

**Accessibility : May to October**

**Duration : 3 h (including transport)**

**Capacity : 45 people**

## At the heart of the first International Dark Sky Reserve!

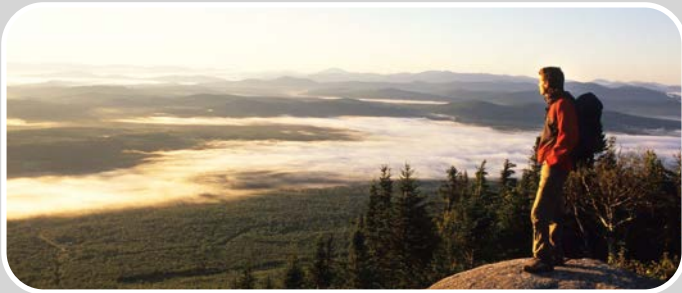




# NATURE / OUTDOORS

## Hiking

The Mount Megantic National Park is a wonderful playground for groups. With almost 60 km of trails, and three summits at an altitude of over 1,000 meters, you will be able to discover mountain landscapes and ecosystems diversity.



The Franceville area, which has just opened, now offers a great hike on the summits trail, a new attraction to our trail network. Follow one of our guides and learn about the history and formation of Mount Megantic!

In the winter, 43 km of snowshoeing trails and 28 km of cross country skiing trails give access to the territory that gets the most snow in Southern Quebec. Equipment rental is available on site.



## A night on the mountain, under the stars

Give your group an unforgettable experience with a night under the stars. Huts, rustic camps and camping platforms are located at 2 km from the ASTROLab... ideal for a green class session. Don't forget the marshmallows!



At the hearth of an exceptional snow-cover, under the sky of the first International Dark Sky Reserve, Mount Megantic white classrooms are rich in unforgettable memories. !

Huts and rustic camps are equipped with wood stove and, since night falls early in the winter, stars appear right at the end of the day, and you can stargaze for hours!



## Quebec National Parks : Protected areas

Invite National Parks right into your classroom! Very interactive, this activity will allow your students to read about the organisation of a protected area, to interpret territorial issues and develop civic awareness on a planetary level. Find out more at [parcsquebec.com](http://parcsquebec.com)

**Duration : 50 minutes**

This activity is also available with a park visit.



# ASTROLab @ LONG RANGE

ASTROLab right in your school  
with videoconference

**FREE\***

We offer your students the opportunity to interact with a specialist right in your classroom and ask questions on astronomy and the universe, at no charge.

A great opportunity to exploit the potential of IWB!

- ★ Earth's rotation
- ★ Sun-Earth-Moon system
- ★ Moon phases
- ★ Solar system
- ★ Seasons
- ★ Scale of the Universe, stars and galaxies

With the accessibility and simplicity of *Skype* videoconferencing technology, you and your students will be in direct contact with one of our passionate facilitators. From the solar system to mysterious black holes, your guide will answer all your questions.

This activity is ideal as a prelude to a visit to Mount Megantic National Park; it will give your students a preview of the cosmos, pique their curiosity and raise their interest. The activity can also be adapted as a training session for teachers.

**Duration : 30 minutes**

\* Free for a maximum of 2 sessions per school per school year.  
\$50 for each additional session.





# PLAN YOUR VISIT

## HOW TO

- Read about various activities offered by Mount Megantic National Park's ASTROLab in the present guide
- Fill in the reservation request form to select the date, activities and services you would like.
- Return the form by email to : [groupe@astrolab.qc.ca](mailto:groupe@astrolab.qc.ca)

The person in charge of groups will contact you as soon as possible.

## SCHEDULE

**ASTROLab** All year long (excepting from mid-November to late January)

**Observatories** May to October – Tuesday to Saturday

**Reception / Lodging / Trails** All year long



ACTIVITIES	CAPACITY	RATES 2016-2017 (+ TX)
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ASTROLab - Daytime	variable	\$7.40 / student
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ASTROLab - Cosmic Rhythms only	100 students	\$3.70 / student
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Astronomy Observatory - Daytime	variable	\$4.63 / student
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ASTROLab - Evening	100 students	\$10.38 / student
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Popular Observatory - Evening	45 people	\$10.38 / student
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Interactive Videoconference	variable	No charge* *2 sessions / school / year. \$50 / additional session
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National Parks - Protected areas	1 classroom	\$100 / session
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PAVILLON DES RANDONNEURS	CAPACITY	SERVICES
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Building open 24h	70 places	Caterer on reservation Tables Restrooms Shower
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LODGING	CAPACITY	RATES
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<b>PETITE-OURSE :</b> Hut Rustic Camps	1 x 8 places 1 x 4 places 5 x 8 places	1 km walk (30 min to 1 h) from ASTROLab
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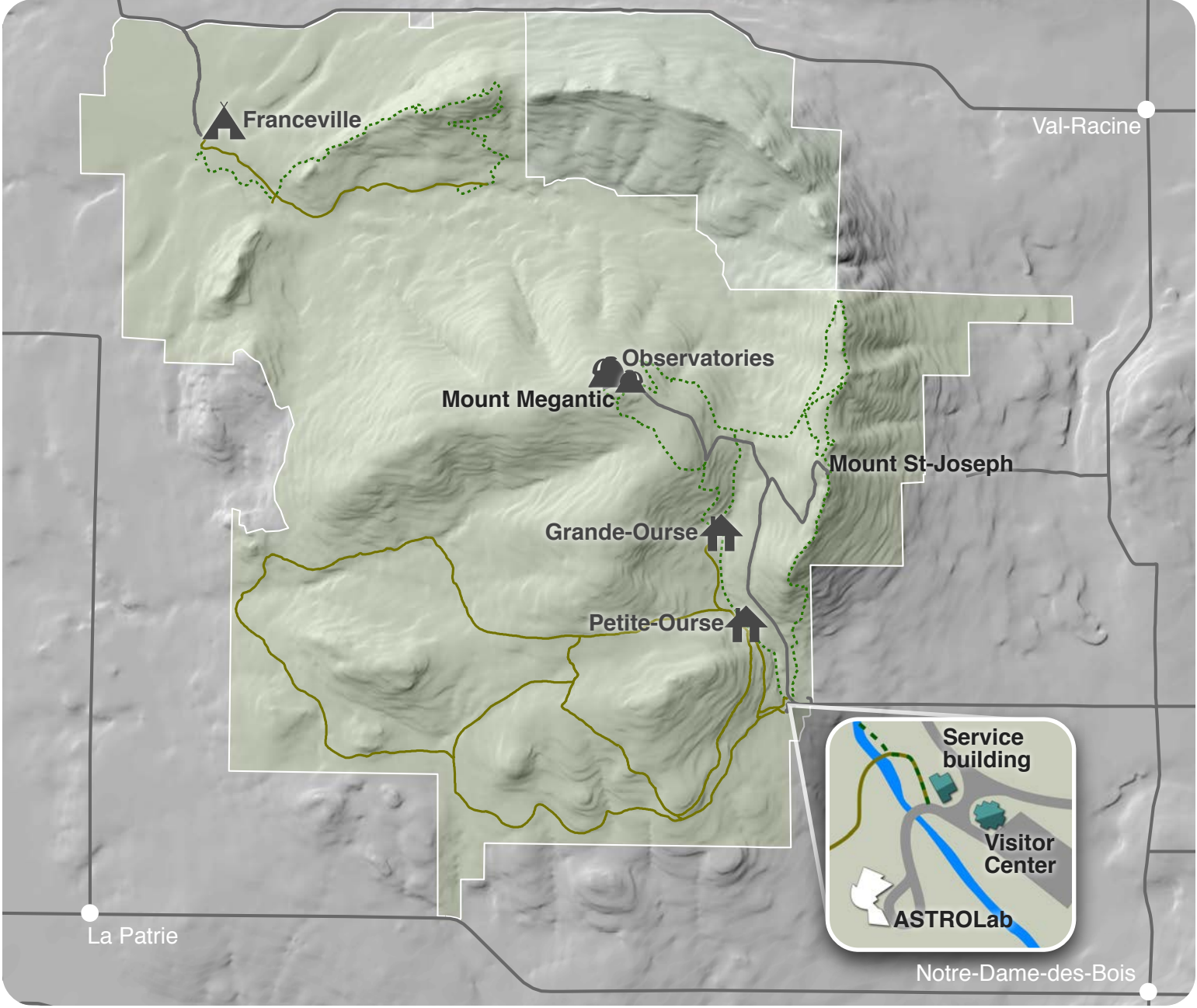
<b>GRANDE-OURSE :</b> Hut Prospector Camp Rustic camping	1 x 8 places 4 x 6 places 13 platforms	2 km walk (1 h to 2 h) from ASTROLab
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<b>FRANCEVILLE :</b> Serviced campground	37 sites 15 with water and electricity	Accessible by car Franceville area is located 22 km from ASTROLab
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Visit our website [astrolab.qc.ca](http://astrolab.qc.ca) for a list of lodging partners.

**MOUNT MEGANTIC**



## From Québec City

		St-Georges
		Lac-Mégantic
		Woburn
		Notre-Dame-des-Bois

## From Montréal

- 10 Sherbrooke
- 112 East Angus
- 253 Cookshire
- 212 Notre-Dame-des-Bois

At Notre-Dame-des-Bois, turn on route du Parc.

189, route du Parc,  
Notre-Dame-des-Bois, Québec,  
Canada, J0B 2E0

Tel. (819) 888-2941  
Fax (819) 888-2943